MATHMATICS

Fifth grade primary



First Term

2019 - 2020

SHEET (1)

Approximating to the nearest hundredth and thousandth

[1] Approximate each of the following numbers to the nearest hundredth:

(a) 76.514 ≅ ....

(b) 52.608 ≅ ....

(c) 175.325 ≅ ....

(d) 21.8253 ≅ ....

(e) 52.1248 ≅ ....

(f) 0.737 ≅ ....

(g) 23.297 ≅ ....

(h) 0.996 ≅ ....

(i) 0.002 ≅ ....

(j) $\frac{5685}{1000} \cong$ ....

(k) $\frac{25698}{10000} \cong$ ....

(l) $2\frac{1}{8} \cong$ ....

(m) $3\frac{17}{500} \cong$ ....

(n) $31\frac{3}{1000} \cong$ ....

[2] Approximate each of the following numbers to the nearest thousandth:

(a) 41.6247 ≅ ....

(b) 2.0509 ≅ ....

(c) 154.1015 ≅ ....

(d) 4.6798 ≅ ....

(e) 19.9996 ≅ ....

(f) $16\frac{27}{10000} \cong$ ....

(g) $94\frac{129}{10000} \cong$ ....

(h) $8\frac{8}{5000} \cong$ ....

(i) $\frac{8649}{10000} \cong$ ....

(j) 0.0004 ≅ ....

مستر ترجيه الرياضيات أ / علاء ويوا

[3] Choose the correct answer:

(a) 5.345 ≅ ……………. To the nearest 0.01 [5.346 , 5.35 , 5 , 5.3]

(b) 2.5786≅ ……………. To the nearest 0.001[2.579 , 2.58 , 2.578 , 2.576]

(c) 17.947≅ ……………. To the nearest 2 decimal places [17.948 , 17.95 , 17.90 , 17.94]

(e) 736.592 ≅ 736.59 to the nearest ………..[tenth , unit , hundredth , $\frac{1}{1000}$]

(f) 4.559 ≅ 4.6 to the nearest ……… [tenth , unit , hundredth , $\frac{1}{1000}$]

(g) $3\frac{1}{8}$ ≅ ……… to the nearest hundredth [3.10 , 3.12 , 3.13]

(h) 8657 cm ≅ ………. To the nearest metre [8.6 , 86 , 87 , 8.66]

(i) 7004 mL ≅ ………. to the nearest Litre [70.04 , 7.004 , 7 , 8]

---

[4] Find the result:

(a) 2.253 + 12.564 = ………… ≅ ………… [to the nearest $\frac{1}{100}$]

(b) 65.384 + 63.427 = ………… ≅ ………… [to the nearest hundredth]

(c) 37.4289 – 14.081 = ………… ≅ ………… [to the nearest $\frac{1}{1000}$]

(d) 729.72 – 122.743 = ………… ≅ ………… [to the nearest $\frac{1}{100}$]

(e) 4357 ÷ 1000 = ………… ≅ ………… [to the nearest $\frac{1}{100}$]

(f) 4357 ÷ 100 = ………… ≅ ………… [to the nearest $\frac{1}{10}$]

(g) 10 – 3.5116 = ………… ≅ ………… [to the nearest $\frac{1}{1000}$]

(h) 251.76 - $38\frac{1}{8}$ = ………… ≅ ………… [to the nearest 0.01]

Revision

[1] Approximate as shown in the table:

Number	To the nearest Unit	To the nearest Ten	To the nearest Hundred	To the nearest Thousand
9451.6				
6254.325				
$6852\frac{1}{2}$				
$9999\frac{1}{4}$				
$6895\frac{1}{8}$				

[2] Choose the correct answer:

(a) 371.456≅ ……………. To the nearest 100 [371.46 , 400 , 300 , 371.5]

(b) 152.23≅ 150To the nearest ………… [hundredth , unit , ten , tenth]

(c) 17.947 ≅ ……………. To the nearest 10 [20 , 17, 18 , 17.9]

(e) 736.592 ≅ 700 to the nearest ……… [ten, unit , hundred , $\frac{1}{100}$]

(f) 4.559 ≅ 5 to the nearest ……… [tenth , unit , hundredth , $\frac{1}{1000}$]

---

[3] Write down the smallest decimal fraction that includes the digits (2 , 5 , 7 and 8) then approximate that number to the nearest hundredth and thousandth.

………

SHEET (2)

Comparing and ordering fractions

[1] Put the suitable relation (<) , (>) or (=) in the blanks:

(a) $\frac{1}{5}$ ☐ $\frac{4}{5}$

(b) $\frac{3}{4}$ ☐ $\frac{1}{4}$

(c) $\frac{9}{10}$ ☐ $\frac{3}{10}$

(d) $\frac{5}{9}$ ☐ $\frac{4}{9}$

(e) $2\frac{7}{9}$ ☐ $2\frac{5}{9}$

(f) $2\frac{1}{8}$ ☐ $\frac{17}{8}$

(g) $3\frac{2}{5}$ ☐ $\frac{7}{5}$

(h) $\frac{3}{7}$ ☐ $\frac{4}{7}$

[2] Put the suitable relation (<) , (>) or (=) in the blanks:

(a) $\frac{3}{4}$ ☐ $\frac{3}{5}$

(b) $\frac{1}{7}$ ☐ $\frac{1}{3}$

(c) $\frac{2}{8}$ ☐ $\frac{2}{4}$

(d) $\frac{8}{25}$ ☐ $\frac{8}{13}$

(e) $2\frac{7}{9}$ ☐ $2\frac{7}{8}$

(f) $2\frac{1}{2}$ ☐ $2\frac{1}{9}$

[3] Arrange each of the following numbers:

(a) $\frac{2}{11}$, $\frac{7}{11}$, $\frac{4}{11}$, $\frac{10}{11}$

Ascending order: ....

(b) $\frac{13}{7}$, $\frac{5}{7}$, $\frac{9}{7}$, $\frac{4}{7}$, $\frac{11}{7}$

Descending order: ....

(c) $\frac{2}{10}$, $\frac{9}{10}$, $\frac{14}{10}$, 0.5 , $\frac{7}{10}$

Ascending order: ....

(d) $\frac{5}{9}$, 1 , $\frac{2}{9}$, $\frac{7}{9}$

Descending order: ....

[4] Arrange each of the following numbers:

(a) $\frac{7}{13}$, $\frac{7}{5}$, $\frac{7}{9}$, $\frac{7}{4}$, $\frac{7}{11}$

Ascending order: ....

(b) $\frac{12}{5}$, $\frac{12}{7}$, $\frac{12}{17}$, $\frac{12}{13}$, $\frac{12}{15}$

Descending order: ....

(c) $\frac{2}{5}$, $\frac{2}{3}$, 1 , $\frac{2}{10}$, $\frac{2}{8}$

Descending order: ....

---

[5] Put the suitable relation (<) , (>) or (=) in the blanks:

(a) $\frac{3}{4}$ ☐ $\frac{2}{5}$

(b) $\frac{5}{8}$ ☐ $\frac{2}{3}$

(c) $\frac{7}{9}$ ☐ $\frac{3}{4}$

(d) $\frac{5}{2}$ ☐ $\frac{3}{5}$

(e) $\frac{4}{5}$ ☐ $\frac{3}{7}$

(f) $\frac{7}{12}$ ☐ $\frac{4}{5}$

(g) $2\frac{1}{4}$ ☐ $2\frac{1}{3}$

(h) $\frac{4}{12}$ ☐ **1**

(i) 1 ☐ $\frac{3}{4}$

(j) $\frac{5}{3}$ ☐ $\frac{1}{2}$

(k) $\frac{3}{4}$ ☐ $\frac{2}{8}$

(l) $\frac{5}{6}$ ☐ $\frac{7}{8}$

(m) 0.7 ☐ $\frac{7}{3}$

(n) 2.7 ☐ $2\frac{7}{9}$

(o) 3.2 ☐ $3\frac{1}{2}$

(p) $4\frac{1}{3}$ ☐ **4.3**

(q) 0.03 ☐ $\frac{3}{25}$

(r) 0.12 ☐ $\frac{6}{50}$

[6] Arrange each of the following numbers:

(a) $\frac{11}{12}$, $\frac{5}{12}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{5}{6}$

Ascending order: ………………………………………………………………………….

(b) $\frac{5}{6}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{7}{8}$

Descending order: ………………………………………………………………………….

(c) $\frac{3}{5}$, $\frac{1}{2}$, $\frac{9}{10}$, $\frac{1}{4}$

Descending order: ………………………………………………………………………….

(d) $\frac{1}{2}$, 0.8 , $\frac{1}{4}$, 0.3 , $\frac{2}{5}$

Ascending order: ………………………………………………………………………….

---

[7] Real life problems:

(a) One day, Ramy walked $1\frac{7}{8}$ Km and Hoda walked $1\frac{9}{16}$ km. Which distance was greater?

…………………………………………………………………………………………

…………………………………………………………………………………………

…………………………………………………………………………………………

(b) On three different days, Sameh swam $\frac{5}{16}$ km, $\frac{7}{8}$ km and $\frac{3}{4}$ km. arrange the distances in an ascending order.

…………………………………………………………………………………………

…………………………………………………………………………………………

…………………………………………………………………………………………

SHEET (3)

Multiplying decimals by 10, 100 and 1000

[1] Complete:

(a) 0.643 × 100 = ...

(b) 3.18 × 10 = ...

(c) 3.2 × 10 = ...

(d) 12.65 × 10 = ...

(e) 72.14 × 100 = ...

(f) 9.7 × 100 = ...

(g) 0.045 × 100 = ...

(h) 3.2172 × 1000 = ...

(i) 100 × 7.787 = ...

(j) 0.341 × 1000 = ...

(k) 1000 × 6.7 = ...

(l) 24.61 × 1000 = ...

(m) 0.184 × 10000 = ...

(n) 7.5621 × 10000 = ...

[2] Choose the correct answer:

(a) 5.67 × 10 = ... [567 , 0.567 , 56.7 , 0.0567]

(b) 98.7 × 100 = ... [987 , 9870 , 0.987 , 0.0987]

(c) 6.172 × 100 = ... [617.2 , 61.72 , 6172 , 0.06172]

(d) 0.067 × 1000 = ... [6.7 , 67 , 0.067 , 670]

(e) 21.3 × 10 = ... [2130 , 2.13 , 213 , 0.0213]

(f) 0.00008 × 1000 = ...[0.8 , 0.08 , 8 , 80]

(g) 0.27 × 100 = ... [2.7 , 270 , 0.027 , 27]

(h) 69.25 × 10 = ... [7 , 69 , 692 , 693] to the nearest unit

(i) 5.3553 × 1000 = ... to the nearest whole number
[535.6 , 535.5 , 5355 , 53.55]

(j) 6.235 × 10 = ... to the nearest tenth
[62.2 , 62.3 , 62.4 , 62.5]

[3] Put the suitable relation (<) , (>) or (=) in the blanks:

(a) 4.72 × 10	☐	0.472 × 100
(b) 72.15 × 10	☐	0.07215 × 1000
(c) 2.4 × 10	☐	0.24 × 100
(d) 3.251 × 100	☐	325.1 × 100
(e) 0.723 × 1000	☐	0.0732 × 100
(f) 6.08 × 1000	☐	60.8 × 10
(g) 9.15 × 100	☐	91.5 × 100
(h) 1.25 × 100	☐	0.0125 × 10

[4] Complete:

(a) 25.69 × .... = 256.9

(b) 4.321 × .... = 4321

(c) .... × 0.254 = 2.54

(d) 7.5 × .... = 750

(e) 2.63 × .... = 2630

(f) 0.6201 × .... = 620.1

(g) 55.423 × .... = 5542.3

(h) 0.021 × .... = 21

(i) .... × 10 = 29.4

(j) .... × 100 = 25.5

[5] Complete:

(a) 87.02 km = ... m

(b) 3.2 ton = ... kg

(c) 2.05 m = ... cm

(d) L.E 6.5 = P.T ....

(e) 24.5 m = ... cm

(f) 2.589 m = ... cm

(g) 3.002 kg = ... gm

(h) L.E 728.9 = P.T ....

(i) 37.3 dm = ... cm

(j) 0.03 m^2 = ... dm^2

(k) 5.07 dm^2 = ... cm^2

(l) 5.7 L = ... ml

بستري ترجمة الرياضيات أ/ عادل إدوارد

SHEET (4)

Multiplying decimals

Multiplying a decimal by a whole number

[1] Find the product:

a) 0.15 × 2 ………	b) 0.819 × 8 ……….	c) 1.374 × 6 ……….
d) 3.7 × 0.6 ………	e) 2.03 × 0.07 ……….	f) 37 × 0.002 ……….
98.21 × 0.11 ……… + ……… ………	g) 0.67 × 2.8 ………. + ………. ……….	h) 9,4 × 6,8 ………. + ………. ……….
i) 1.89 × 5.8 ……… + ………	j) 2.3 × 0.104 ………. + ………. + ………. ………….	k) 16.7 × 12.3 ………. + ………. + ………. ………….



[2] Find the product of each of the following:

(a) 75 × 0.1 = ……………………
(b) 342 × 0.01 = ……………………
(c) 9246 × 0.001 = ……………………
(d) 36.25 × 0.1 = ……………………
(e) 2.37 × 5 = ……………………
(f) 0.251 × 9 = ……………………
(g) 7.2 × 0.9 = ……………………
(h) 1.6 × 0.04 = ……………………
(i) 0.12 × 0.3 = ……………………
(j) 0.625 × 0.7 = ……………………
(k) 1.2 × 0.37 = ……………………
(l) 1.25 × 0.24 = ……………………

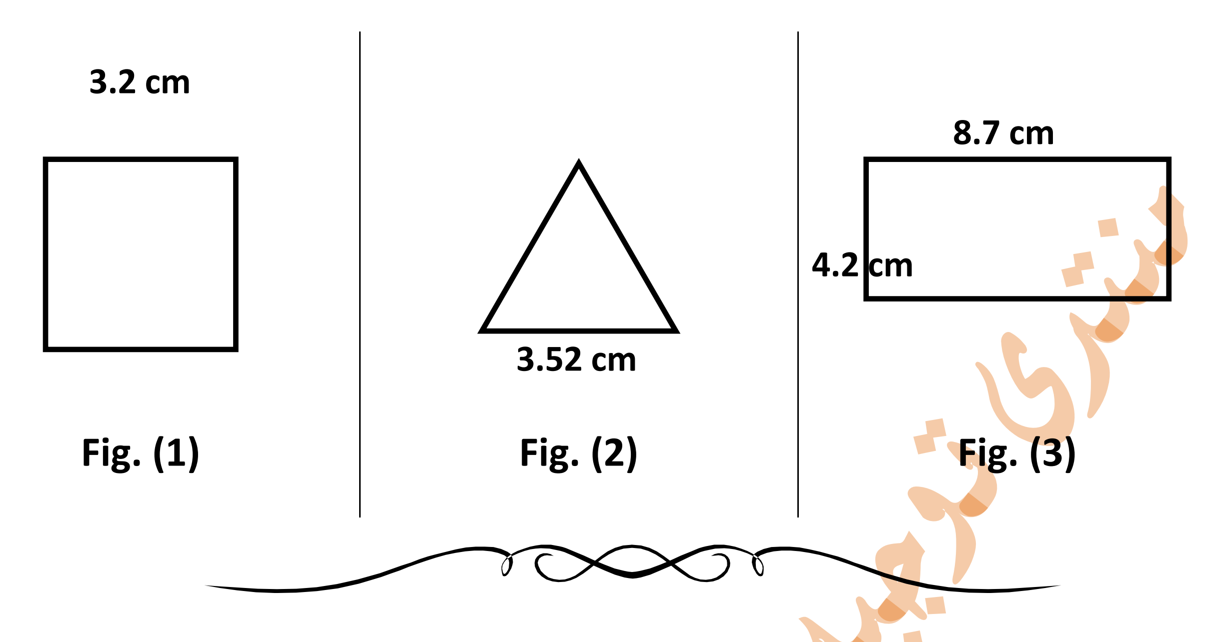
[3] Choose the correct answer:

(a) 2.3 × 4 = …………………… [9.2 , 92 , 82 , 7.2]
(b) 0.2 × 6.3 = …………………… [1.26 , 12.6 , 126 , 1.36]
(c) 0.56 × 0.2 = …………………… [11.12 , 0.112 , 11.2 , 0.0112]
(d) 0.676 × 0.1 = …………………… [67.6 , 0.0676 , 16.76 , 6706]
(e) 0.555 × 0.3 = …………………… [0.1665 , 1.665 , 16.65 , 166.5]
(f) 3.4 × 6.2 = …………………… [2.108 , 21.08 , 210.8 , 2108]
(g) 125 × 0.8 = …………………… [100 , 1000 , 10 , 0.1]

[4] Put the suitable relation (<) , (>) or (=) in the blanks:

(a) 0.3 × 1.5 ☐ 3 × 1.5
(b) 7.5 × 0.02 ☐ 7.5 × 0.2
(c) 13.6 × 0.4 ☐ 0.136 × 0.4
(d) 7.3 × 0.28 ☐ 0.73 × 2.8
(e) 0.342 × 1.2 ☐ 3.42 × 0.12
(f) 172 × 0.003 ☐ 0.172 × 0.3
(g) 48.2 × 3.7 ☐ 4.82 × 37
(h) 4.2 × 1.53 ☐ 4.2 × 15.3
(i) 2.06 × 1.5 ☐ 2.06 × 0.3 × 0.5

[5] calculate the perimeter of each of the following figures:



[6] Calculate the area of a square of side length 2.4 cm approximating it to the nearest tenth.

[7] If the length of a rectangle is 2.65 cm and its width is 1.5 cm, calculate its area approximating it to the nearest hundredth.

[8] Karim wants to buy 3 T-shirts that cost L.E. 45.75 each. How much will cost together?

[9] Noha bought 5 books for L.E. 15.5 each. What is the price of these 5 books?

[10] The price of a bar of chocolate is L.E. 2.75 What is the cost of 15 bars of the same kind?

[11] If the price of one metre of cloth is L.E. 6.45 What is the cost of 2.4 metres of cloth?

SHEET (5)

Multiplying Fractions

[1] Find the result:

(a) $\frac{3}{4} \times \frac{5}{7} =$

(b) $\frac{4}{5} \times \frac{6}{7} =$

(c) $\frac{5}{6} \times \frac{5}{7} =$

(d) $\frac{3}{5} \times \frac{3}{8} =$

(e) $\frac{5}{9} \times \frac{2}{3} =$

(f) $\frac{3}{4} \times \frac{20}{27} =$

[2] Multiply, then write the answer in its simplest form:

(a) $\frac{1}{8} \times \frac{2}{3} =$

(b) $\frac{1}{2} \times \frac{4}{5} =$

(c) $\frac{2}{9} \times \frac{3}{14} =$

(d) $\frac{2}{9} \times \frac{3}{8} =$

(e) $\frac{3}{4} \times \frac{8}{9} =$

(f) $\frac{4}{9} \times \frac{3}{16} =$

[3] Multiply, then write the answer in its simplest form:

(a) $\frac{3}{5} \times 15 =$

(b) $4 \times \frac{1}{4} =$

(c) $\frac{2}{7} \times 21 =$

(d) $\frac{5}{6} \times 24 =$

(e) $9 \times \frac{5}{6} =$

(f) $\frac{1}{3} \times 12 =$

[4] Multiply, then write the answer in its simplest form:

(a) $\frac{3}{5} \times 5\frac{1}{2} =$

(b) $1\frac{2}{3} \times \frac{3}{10} =$

(c) $7\frac{1}{2} \times \frac{2}{15} =$

(d) $\frac{3}{4} \times 8\frac{2}{3} =$

(e) $2\frac{2}{3} \times 6 =$

(f) $3\frac{3}{4} \times \frac{8}{15} =$

[5] Multiply, then write the answer in its simplest form:

(a) $0.25 \times \frac{4}{5} =$

(b) $\frac{4}{20} \times 0.8 =$

(c) $\frac{3}{5} \times 1.5 =$

[6] Find the result:

(a) $\frac{1}{3}$ *of* $\frac{2}{5} =$

(b) $\frac{2}{3}$ *of* $\frac{3}{5} =$

(c) $\frac{4}{5}$ *of* $25 =$

[7] Complete:

(a) $\frac{3}{4}$ of an hour = ... minutes

(b) $\frac{3}{4}$ of a metre = ... cm

(c) $\frac{4}{5}$ of a kilogram = ... gm

(d) $\frac{5}{6}$ of a month = ... days

SHEET (6)

Dividing Fractions

[1] Find the quotient of each of the following:

(a) $\frac{2}{5} \div \frac{3}{5} =$

(b) $\frac{2}{3} \div \frac{1}{6} =$

(c) $\frac{4}{5} \div \frac{1}{2} =$

(d) $\frac{2}{7} \div \frac{5}{7} =$

(e) $\frac{4}{10} \div \frac{6}{10} =$

(f) $\frac{1}{2} \div \frac{1}{12} =$

[2] Find the result:

(a) $6 \div \frac{1}{3} =$

(b) $12 \div \frac{3}{4} =$

(c) $10 \div \frac{5}{7} =$

(d) $11 \div \frac{11}{7} =$

(e) $\frac{2}{5} \div 6 =$

(f) $\frac{10}{6} \div 5 =$

[3] Find the quotient:

(a) $6 \div 1\frac{1}{2} =$

(b) $8 \div 1\frac{3}{5} =$

(c) $10 \div 3\frac{1}{5} =$

(d) $1\frac{1}{2} \div 3\frac{3}{4} =$

(e) $4\frac{2}{3} \div 7 =$

(f) $2\frac{2}{5} \div 24 =$

مستر ترجمة الرياضيات أ/ عادل إدوار

(g) $4\frac{1}{2} \div \frac{1}{2} =$

(h) $6\frac{2}{3} \div \frac{5}{6} =$

(i) $1\frac{1}{2} \div 3\frac{3}{4} =$

(j) $\frac{3}{4} \div 7\frac{1}{2} =$

[4] Complete:

(a) $\frac{3}{5} \times$ .... $= 1$

(b) .... $\times \frac{7}{8} = 1$

(c) .... $\times 1\frac{1}{5} = 1$

(d) $5\frac{3}{4} \div$ .... $= 1$

(e) $3\frac{1}{2} \div$ .... $= \frac{5}{8}$

(f) .... $\div 1\frac{5}{7} = 5$

[5] Real life problems (story problems):

(a) Ayman has 30 feddans of agricultural land. He planted rice in $\frac{5}{6}$ of them. How many feddans were planted rice?

....

(b) The width of a rectangle is $\frac{2}{5}$ of its length. If the length equal to 20 cm. Find the width and its area.

....

(c) If the price of 14 pens is L.E. $10\frac{1}{2}$. Find the price of each pen.

....

(d) If the length of four pieces of cloth is $13\frac{1}{3}$ metres. Find the length of each piece.

....

مستر ترجيه الرياضيات أ / عادل إدوارد

SHEET (7)

Dividing decimals by 10, 100, 1000

[1] Complete:

(a) 64.43 ÷ 10 =

(b) 400.5 ÷ 100 =

(c) 32.57 ÷ 100 =

(d) 700.2 ÷ 10 =

(e) 9.6 ÷ 10 =

(f) 68.3 ÷ 100 =

(g) 0.44 ÷ 100 =

(h) 49.21 ÷ 1000 =

(i) 48.2 ÷ 10000 =

(j) 3.75 ÷ 100 =

(k) 1.7 ÷ 10 =

(l) 5743.4 ÷ 1000 =

[2] Put (<), (>) or (=):

(a) 136.76 ÷ 100 ☐ 1367.4 ÷ 1000

(b) 608.3 ÷ 100 ☐ 508.7 ÷ 10

(c) 4.532 ÷ 10 ☐ 45.32 ÷ 100

(d) 3721 ÷ 1000 ☐ 0.3721× 100

(e) 987.6× 100 ☐ 98.76 ÷ 10

[3] Complete:

(a) 37.9 ÷ ……… = 3.79

(b) 17.55 ÷ ……… = 0.1755

(c) 9876.2 ÷ ……… = 9.8762

(d) ……… ÷ 10 = 17.35

(e) ……… ÷ 100 = 4.599

(f) ……… ÷ 1000 = 5.59

[4] Complete:

(a) 743 mm = ... cm

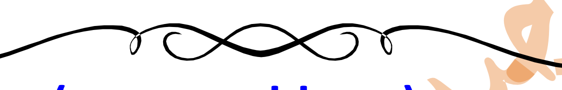
(b) 3237 gm = ... Kg

(c) 0.7 gm = ... Kg

(d) 80 cm = ... m

(e) P.T. 561.5 = L.E. ....

(f) 734 ml = ... litre



[5] Real life problems (story problems):

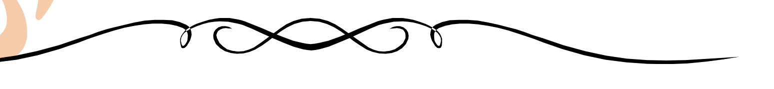
(a) Soha bought 10 kg of fruits for L.E. 47.5 calculate the price of on kilogram.

....

(b) A bicycle covered 45.8 m in ten seconds. How many metres did it cover in one second?

....

(c) The ministry of education bought 1000 computers for L.E. 2349650 calculate the price of each computer.



اكتب ذاكرولي في البحث وانضم لجروبات ذاكرولي
من رياض الاطفال للصف الثالث الاعدادي

مستر ترجيه الرياضيات أ/ عادل إدوارد

SHEET (8)

Dividing a whole number by a 3-digit number

[1] Find the quotient of each of the following:

(m) 5289 ÷ 123 =

(n) 62160 ÷ 296 =

(o) 6188 ÷ 221 =

(p) 15345 ÷ 165 =

(q) 3978 ÷ 234 =

(r) 37961 ÷ 493 =

[2] Choose the correct answer:

(f) 4428 ÷ 123 = (36 , 35 , 34 , 32)

(g) 15500 ÷ 125 = (1240 , 124 , 125 , 120)

(h) 11664 ÷ 216 = (54 , 58 , 62 , 68)

(i) 19708 ÷ 379 = (48 , 52 , 54 , 62)

[3] Real life problems (story problems):

(a) Find the number which when multiplied by 117, the result will be 2925.

(b) The product of multiplying 2 numbers is 9088, if one of them is 284 find the other number.

(c) A factory produces 235 pieces of cloth monthly, in how many months does it produce 26555 pieces of cloth?

(d) An owner of packing food factory wanted to pack 5904 kg of sugar equally in 492 packs. What is the weight of each pack?

(e) If the year is 365 days. How many years are there in 53655 days?

SHEET (9)

Dividing by a decimal

[1] Find the quotient of each of the following:

(a) 0.8 ÷ 0.2 =

(b) 2.67 ÷ 1.2 =

(c) 36.18 ÷ 0.09 =

(d) 357 ÷ 0.7 =

(e) 3.375 ÷ 13.5 =

(f) 4.2 ÷ 0.06 =

(g) 48.48 ÷ 4.8 =

(h) 4.384 ÷ 0.32 =

(i) 1.155 ÷ 0.35 =

(j) 21.528 ÷ 93.6 =

[2] Choose the correct answer:

(k) 48.24 ÷ 1.2 = (4.2 , 40.2 , 14.0 , 142)

(l) 87.5 ÷ 8.75 = (1 , 10 , 0.1 , 100)

(m) 4.8 ÷ 0.16 = (3 , 30 , 300 , 0.3)

[3] Real life problems (story problems):

(a) A train covered 221.65 km in 2.75 hours. Calculate the distance it covers in one hour.

(b) If L.E. 362.5 is distributed among the excellent pupils and each of them takes L.E. 145 Find the number of excellent pupils.

SHEET (10)

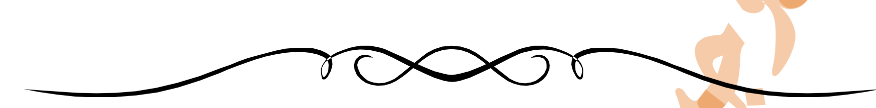
Infinite division

[1] Complete:

(a) $\frac{7}{3} \cong$ ………. to the nearest $\frac{1}{10}$

(b) $\frac{5}{9} \cong$ ………. to the nearest $\frac{1}{100}$

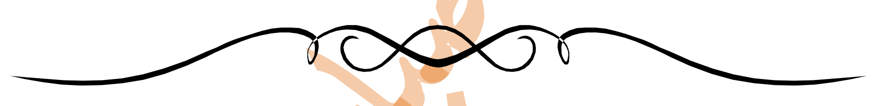
(c) $\frac{3}{11} \cong$ ………. to the nearest $\frac{1}{1000}$



[2] Carry out each of the following:

(a) $8.5 \div 2.7 =$ (App. to the nearest tenth)

(b) $1300.29 \div 52.8 =$ (App. to the nearest hundredth)

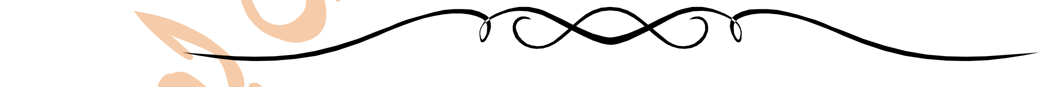


[3] Complete:

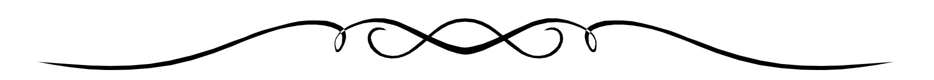
(a) 39 days ≅ ………. weeks

(b) 254 hr. ≅ ………. days

(c) 67 months ≅ ………. years



[4] The area of a rectangle is 9.43 cm^2, and its width is 2.45 cm. Find its length and approximate it to the nearest hundredth of centimeters.



SHEET (12)

Unit (2): Sets

The set: is a collection of known objects that are clearly defined.

[A] State which of the following is a set or not a set:

(a) The colours of the Egyptian flag. ....

(b) Beautiful cities in Egypt. ....

(c) The fingers of your left hand. ....

(d) Digits of the number 1982. ....

(e) The letters of the word "Egypt". ....

(f) Prime numbers between 5 and 25. ....

(g) Intelligent pupils in the class. ....

[B] Express each of the following sets by listing method:

(1) A = the set of digits of the number 335011 ....

(2) B = the set of letters of the word "address" ....

(3) C = the set of numbers on a dice.......................

(4) D = the set of counting numbers........................

(5) E = the set of even numbers. ....

(6) F = the set of even numbers greater than 6. ....

(7) G = the set of even numbers smaller than 6...........

(8) H = the set of even numbers between 4 and 11. ......

(9) I = the set of odd numbers. ....

(10) J = the set of odd numbers which greater than 2 and less than 10...

(11) K = the set of prime numbers. ....

(12) L = the set of prime numbers between 4 and 15.......

(13) M = the set of numbers divisible by 2. ....

(14) N = the set of numbers divisible by 3. ....

(15) O = the set of numbers divisible by 5..................

(16) P = the set of counting numbers less than 0...........

مستر/ ترجيه الرياضيات أ/ عاطف إدوارد

SHEET (13)

Belonging of an element to a set

[A] Put in front of each set one of the two words (null) or (not null):

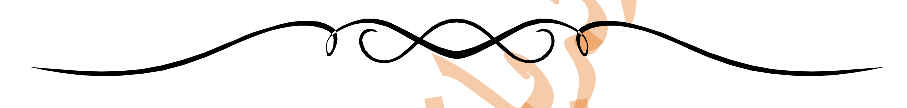
(1) The set of Arabic countries in Australia. …………

(2)The set of Egyptian governorates in Asia…………….

(3) The set of students in your class who made a trip to the moon. …………

(4) The set of triangles having 4 sides. …………….

(5) The set of months of the Christian year of days which are more than 30 days. ……………….



[B]

Complete using (∈) or (∉):

(1) 3 . . . { 3 , 5 }

(2) 5 . . . {15 , 35 }

(3) 2 …… {3 , 1 , 7 }

(4) Δ …… { O , □ , Δ }

(5) 6 . . . { 66 }

(6) 3 … the set of odd numbers.

(7) Y . . . the set of letters of the word "Egypt".

(8) 20. . the set of digits of the number 2020.

(9) 7 . . . the set of days of the week.

[C] Complete:

(1) If $4 \in \{ 2 , x , 5 \}$ then x =

(2) If $5 \in \{ 7 , 9 , x \}$ then x =

(3) If $5 \in \{ 3 , x + 4 \}$ then x =

مستر ترجيه الرياضيات / عادل إدوار

SHEET (14)

Equal sets, inclusion and subsets

[A] In each of the following, find the value of x:

(a) { x } = { 3 } x = ……

(b) { 1 , 4 } = { x , 1 } x = ……

(c) { 3 , 6 , x } = { 6 , 3 , 2 } x = ……

(d) { x + 2 } = { 9 } x = ……

[B] Complete using (⊂) or (⊄):

(1) { 1 } ... { 1 , 3 }

(2) { 7 , 8 } ... {3 , 1 , 7 }

(3) { 1 , 2 } ... { 1 , 2 , 3 }

(4) { 7 } ... { 17 , 77 }

(5) { 4 , 5 } ... { 54 }

(6) ∅ ... { 0 }

(7) ∅ ... { 1 , 2 , 3 }

(8) { 5 , 2 } ... ∅

[C] Put the suitable sign (⊄ , ⊂ , ∈ or ∉):

(1) { 2 , 3 } ... { 1 , 2 , 3 }

(2) { 1 , 2 } ... { 2 , 3 , 4 }

(3) b ... { b , c }

(4) { a , b } ... { b , a }

(5) 2 ... { 22 , 44 }

(6) 0 ... ∅

(7) 52 ... the set of digits of the number 5252

مستر ترجيه الرياضيات أ/ علاء زرزور

SHEET (15)

Intersection of two sets

[A] Find each of the following:

(a) $\{5, 6\} \cap \{4, 5\} =$ ……… (b) $\{2\} \cap \{22\} =$ ……………

(b) $\{3, 6\} \cap \varnothing =$ ………… (d) $\{3, 6\} \cap \{6, 3\} =$ ………

(e) $\{2, 3, 4\} \cap \{3, 5, 2, 6\} =$ ……………………

(f) $\{5, 3\} \cap \{2, 4, 5\} =$ ……………………

(e) $\{1, 2, 6\} \cap \{1, 26\} =$ ……………………

(h) $\varnothing \cap \varnothing =$ …………………… (i) $\{35\} \cap \{53\} =$ ………………

[B] Put the suitable sign ($\not\subset$, $\subset$, $\in$ or $\notin$):

(1) 3 . . . $\{3, 4, 5\} \cap \{2, 3, 4\}$

(2) $\{3, 4\}$ . . . $\{3, 4, 7\} \cap \{5, 4, 3\}$

(3) $\{2\}$ . . . $\{5, 2, 3\} \cap \{1, 2, 5\}$

(4) $\{6\}$ . . . $\{5\} \cap \{6\}$

(5) 15 . . . $\{5\} \cap \{1\}$

(6) $\{13\}$ . . . $\{13\} \cap \{3\}$ (7) 2 . . . $\{2, 3\} \cap \{3, 2\}$

[C] Complete:

(1) If $a \in (X \cap Y)$, then $a \in$……… and $a \in$………

(2) If $X \subset Y$, then $X \cap Y =$ ………

(3) If $X \cap Y = Y$, then ……… $\subset$ ………

(4) If $X \cap Y = \varnothing$, then X and Y are two ………………………… sets

(5) $X \cap$ …… $= Y \cap$…… (6) $X \cap \varnothing =$ ………

(7) $X \cap X =$ ………

SHEET (16)

Union of two sets

[A] Find each of the following:

(a) { 2 } ∪ { 4 } = ……………………

(b) { 1 , 5 } ∪ { 1 , 3 } = ……………………

(c) { 1 , 2 , 12 } ∪ { 2 , 3 , 12 } = ……………………

(d) { a , b , c } ∪ { a , b , h } = ……………………

(e) { 5 } ∪ { 1 , 5 , 7 } = ……………………

(f) { 3 } ∪ { 33 } = ……………………

(g) { 4 } ∪ { 4 } = ……………………

(h) { 1 , 4 , 6 } ∪ ∅ = ……………………

(i) { 0 } ∪ { 20 } = ……………………

[B] Complete:

(1) If a ∈ X or a ∈ Y, then a ∈ ………………

(2) If a ∈ X and a ∈ Y, then a ∈ ………………

(3) If X ⊂ Y, then X ∩ Y = ……… and X ∪ Y = ………

(4) If X ∪ Y = Y, then ……… ⊂ ………

(5) If X ∩ Y = Y, then ……… ⊂ ………

(6) If X ∩ Y = ∅, then the two sets X and Y are ………………………

(7) If X ∪ Y = ∅, then the two sets X and Y are ………………………

(8) X ∩ …… = Y ∩ …… and X ∪ …… = Y ∪ ……

(9) X ∩ ∅ = ……… and X ∪ ∅ = ………

(10) X ∩ X = ……… and X ∪ X = ………

(11) ∅ ∩ ∅ = ……… and ∅ ∪ ∅ = ………

بشرى ترجيه الرياضيات أ/ عاطف الحداد

[c] Represent the two sets A and B by a Venn diagram, then find $A \cap B$ and $A \cup B$:

$A = \{4, 6, 8\}$ $B = \{3, 5, 7\}$

$A \cap B =$ .... $A \cup B =$ ....

(1) $A = \{c, d, e, f\}$ $B = \{d, e, l\}$

$A \cap B =$ .... $A \cup B =$ ....

(2) $A = \{1, 2, 3, 4\}$ $B = \{2, 3\}$

$A \cap B =$ .... $A \cup B =$ ....

(3) $A = \{4, 5\}$ $B = \{6, 7\}$

$A \cap B =$ .... $A \cup B =$ ....

SHEET (17)

Universal set and the Complement of a set

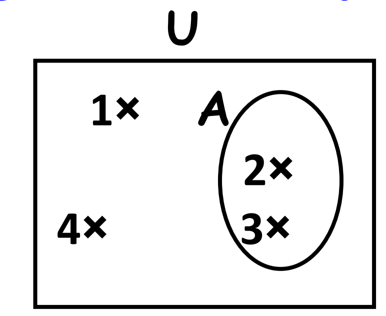
[A] Look at the opposite Venn diagram, then complete:

(a) U = ...

(b) A = ...

(c) A' = ...

(d) $A \cap A'$ = ...



[B] Look at the opposite Venn diagram, then complete:

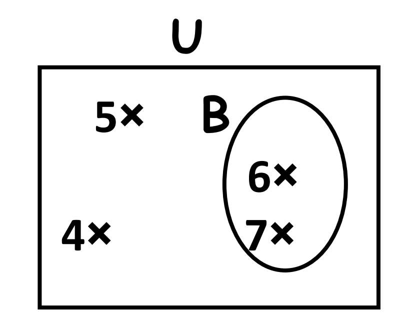
(1) U = ...

(2) B = ...

(3) B' = ...

(4) $B \cap B'$ = ...

(5) $B \cup B'$ = ...



[C] Look at the opposite Venn diagram, then complete:

(1) U = ……………………

(2) A = ……………………

(3) B = ……………………

(4) $A \cap B$ = ……………

(5) $A \cup B$ = ……………

(6) A' = ……………………

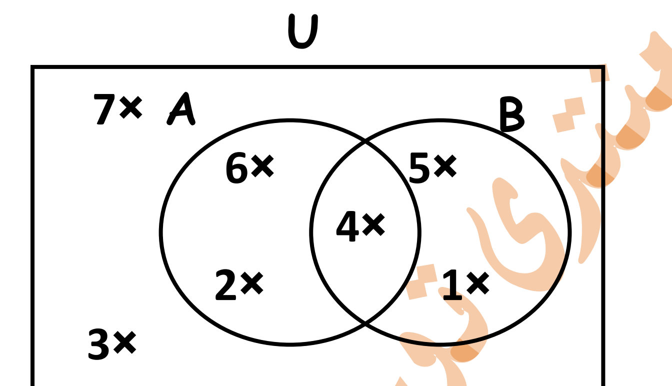
(7) B' = ……………………

(8) $(A \cup B)'$ = ……………

(9) $(A \cap B)'$ = ……………

(10) $A' \cup B'$ = ……………

(11) $A' \cap B'$ = ……………



[D] Look at the opposite Venn diagram, then complete:

(1) X = ……………………

(2) Y = ……………………

(3) $X \cup Y$ = ……………

(4) $X \cap Y$ = ……………

(5) X' = ……………………

(6) Y' = ……………………

(7) $(X \cup Y)'$ = ……………

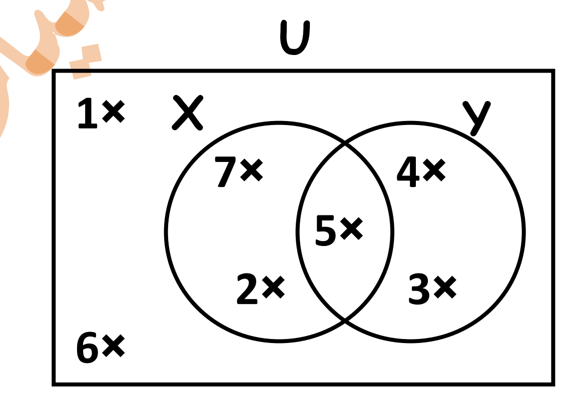
(8) $(X \cap Y)'$ = ……………

(9) $X' \cup Y'$ = ……………

(10) $X' \cap Y'$ = ……………

(11) U' = ……………………

(12) $\varnothing'$ = ……………………



تابع جديد ذاكرولي على
فيسبوك
تويتر
واتس اب
تليجرام

SHEET (18)

Difference between two sets

[A] Find:

(a) { 1 , 2 , 4 } – { 2 , 4 , 6 } = ……………………

(b) { a , b , c , d } – { a , b , c , o } = ……………………

(c) { 3 , 4 } – { 4 } = ……………………

(d) { 7 , 8 } – { 8 , 7 } = ……………………

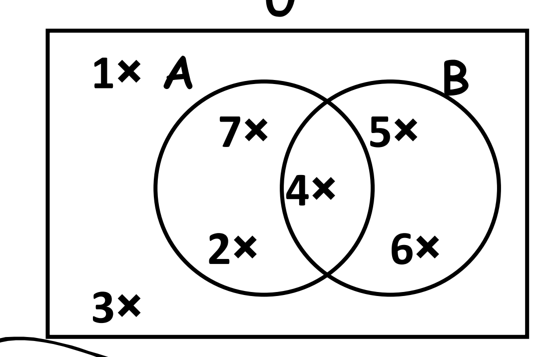
(e) { 2 , 5 } – { 3 , 4 } = ……………………

(f) { 5 } – { 1 , 2 , 5 } = ……………………

(g) ∅ – { 1 , 2 , 3 } = ……………………

(h) { 5 , 6 } – ∅ = ……………………

[B] Look at the opposite Venn diagram, then complete:



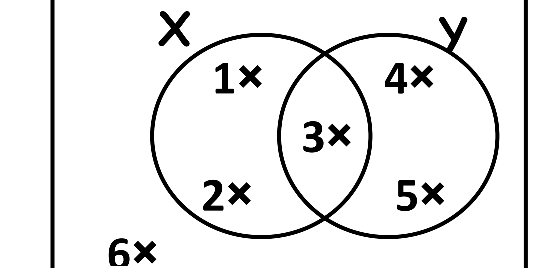
(1) A ∩ B = ……………………

(2) A ∪ B = ……………………

(3) A – B = ……………………

(4) B – A = ……………………

[C] Look at the opposite Venn diagram, then complete:



(1) U = ……………………………

(2) X = ……………………

(3) Y = ……………………

(4) X ∩ Y = ……………………

(5) X ∪ Y = ……………………

(6) X – Y = ……………………

(7) Y – X = ……………………

(8) (X ∪ Y)' = ……………

(9) Y' = ……………………

(10) (X ∩ Y)' = ……………

(11) (Y – X)' = ……………

[D] If U = { 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 } ,

X ={ 1 ,2 ,3 ,4 } and Y = {3 ,4 ,5 ,8 },then find:

(1) X ∩ Y = ... (2) X' = ...

(3) X ∪ Y = ... (4) Y' = ...

(5) X – Y = ... (6) Y – X = ...

(7) X' ∩ Y' = ... (8) X' ∪ Y' = ...

(9) X' – Y' = ... (10) Y' – X' = ...

[E] Look at the opposite Venn diagram, then complete:

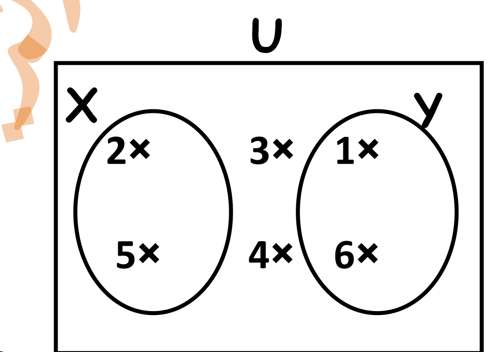
(1) X ∩ Y = ...

(2) X ∪ Y = ...

(3) U – X = ...

(4) U – Y = ...

(5) (X ∪ Y)' = ...



[F] Look at the opposite Venn diagram, then complete:

(1) U = ...

(2) X = ...

(3) Y = ...

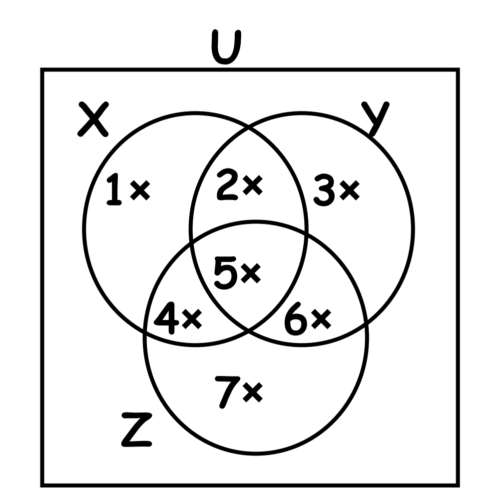
(4) Z = ...

(5) X ∩ Y = ...

(6) X ∪ Y = ...

(7) Z ∩ Y = ...

(8) Y – X = ...



SHEET (19)

Drawing

[1] Draw the equilateral triangle ABC whose side length is 5 cm, then draw $\overline{AD} \perp \overline{BC}$, then find the perimeter of Δ ABC.

[2] Draw the triangle ABC in which AB = AC = 5 cm and CB = 8 cm, then draw $\overline{AD} \perp \overline{BC}$ to cut it at D, then find:

(a) The length of $\overline{AD}$.

(b) The perimeter of Δ ABC.

[3] Draw the triangle ABC in which AB = 4 cm, AC = 5 cm and CB = 3 cm. What is the type of Δ ABC according to the measure of its angles? And find its perimeter.

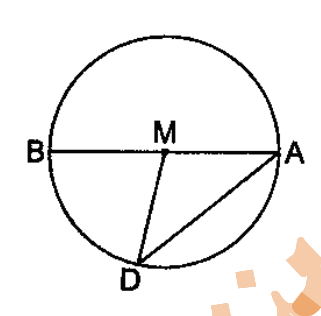
[4] Draw the triangle ABC in which AB = 3 cm, AC = 5 cm and CB = 4 cm. Draw $\overline{BD} \perp \overline{AC}$ to cut it at D, then find the length of $\overline{BD}$ and $m(\angle B)$.

[5] Draw the circle M with radius length 5 cm, draw, the diameter $\overline{AB}$ and the chord $\overline{BC}$ where BC = 8 cm and join $\overline{AC}$, then find:

(a) The length of the chord $\overline{AC}$.

(b) The $m(\angle C)$.

In the opposite figure , complete :



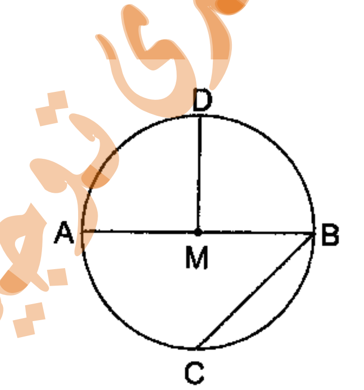
[a] $\overline{AB}$ is a ·············· in the circle.

[b] $\overline{AD}$ is a ·············· in the circle.

[c] $\overline{MB}$ is a ·············· in the circle.

[d] The point ·············· is the centre of the circle.

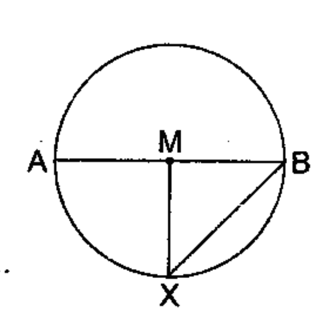
From the opposite figure , complete :



(1) $\overline{BC}$ is called ·············· in the circle M

(2) If AB = 10 cm. , then MD = ·············· cm.

From the opposite figure :

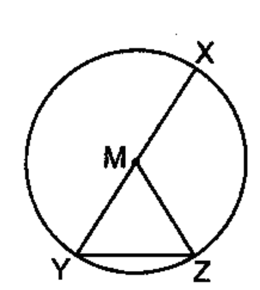


(1) The longest chord in the circle is ··············

and it is called ··············

(2) $\overline{XB}$ is called ·············· in the circle whose centre is ············

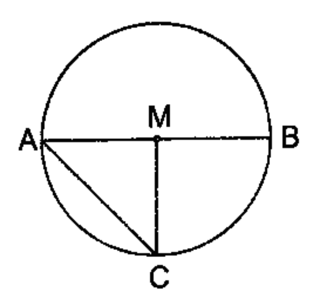
In the opposite figure :



(1) ·············· is called a diameter in the circle M

(2) $\overline{YZ}$ is called a ·············· in the circle M

In the opposite figure :



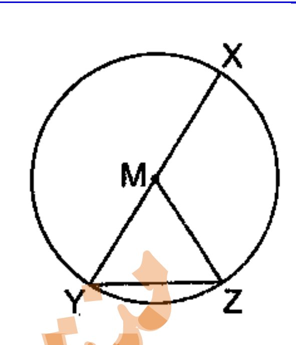
[a] MA = ·············· = ··············

[b] The longest chord in the circle is ··············

In the opposite figure :

[a] The diameter is ....

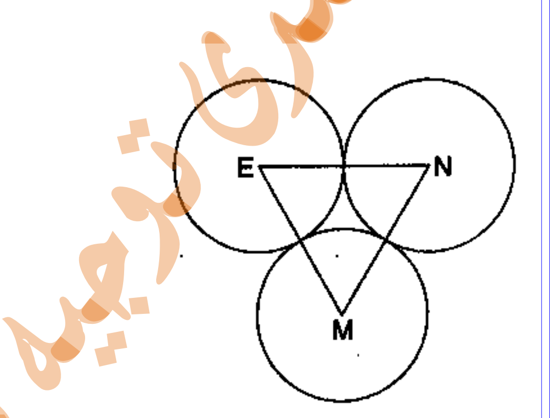
[b] $\overline{YZ}$ is called ....



In the opposite figure :

Three circles of centres M , N and E of radius length 3 cm. for each.

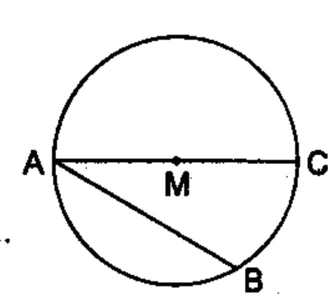
Find the perimeter of Δ MEN



From the opposite circle :

[a] The chord of the circle M is ....

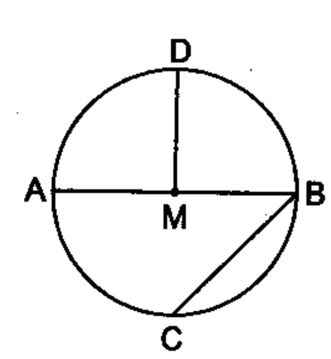
[b] The two radii of the circle M are .... and ....



From the opposite figure :

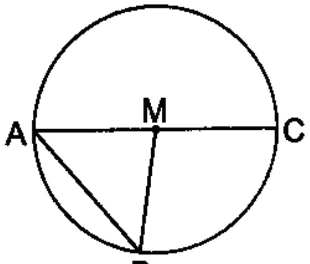
[a] $\overline{BC}$ is called .... in the circle M

[b] .... is a diameter.



In the opposite figure :

.... is a chord in the circle M



($\overline{MC}$ *or* $\overline{AM}$ *or* $\overline{AB}$ *or* $\overline{MB}$)

SHEET (20)

Probability

[A] Choose the correct answer:

(a) Tossing a regular coin, the probability of landing a head = ……

($\frac{1}{3}$, $\frac{1}{2}$, $\frac{3}{4}$, 1)

(b) The probability of an impossible event = ……(ϕ , 1 , 0 , 2)

(c) The probability of the certain event = ……(0 , 1 , 100 , ϕ)

(d) The probability that the elephant flies is ……(0 , 1 , 10 , ϕ)

(e) It is ………… that the sun rises from east.

(possible, impossible, sure)



[B] If we roll a regular number cube (die), complete the following:

(1) The probability of getting an even number = ……

(2) The probability of getting an odd number = ……

(3) The probability of getting a prime number = ……

(4) The probability of getting the number 5 = ……

(5) The probability of getting a number less than 3 = ……

(6) The probability of getting a number more than 2 = ……

(7) The probability of getting the number 7 = ……

(8) The probability of getting a number less than 7 = ……

(9) The probability of getting a number divisible by 3 = ……



[C] A bag contains 5 white balls, 9 red balls and 6 black balls. One ball is taken out at random. Calculate the probability that the ball is:

(1) Red = ………………

(2) Green = ………………

(3) Black = ………………

(4) Blue = ………………

(5) White or black = ………………

SHEET (21)

First Term Final Revision

[A] Complete:

(a) $3.18 \times 10 =$ ……

(b) $9.142 \times 100 =$ ………………≅…………… (to the nearest unit)

(c) $3744 \div 234 =$ …………………

(d) $5.163 + 4.564 =$ ……… ≅ ………… (to the nearest hundredth)

(e) 572.3 cm ≅ …………… m

(f) If $\{2, 3\} \subset \{4, x, 3\}$, then $x =$ ……

(g) If $\{x, 5, 8, 9\} = \{9, y, 12, 5\}$ then $x + y =$ ……………………

(h) If $3 \in \{1, 2, a\}$, then $a =$ ………

(i) If $\{1, 3\} \subset \{1+y, 4, 1\}$, then $y =$ ………

(j) The right-angled triangle has …… altitudes.

(k) The altitudes of the right-angled triangle intersect at ………

(l) The altitudes of the acute-angled triangle intersect …………… the triangle.

(m) The altitudes of the obtuse-angled triangle intersect ………… the triangle

(n) The greatest decimal fraction formed from the digits 3, 7, 9 and 5 is …………

(o) The longest chord in the circle is called ………………………

(p) $\frac{3}{4}$ of a day = ……………………… hours.

(q) If $A \subset B$, then $A \cap B =$ ……… , $A \cup B =$ ……… and $A - B =$ ……

(r) The probability of the impossible event = …………

(s) The probability of the sure (certain) event = …………

(t) $4\frac{1}{2} \times 6 =$ ……… (u) $1\frac{3}{4} \div 3\frac{1}{2} =$ ………

(u) The number of altitudes of the triangle = ………

[B] Choose the correct answer:

(1) 5.4 tons = ……… kg. [54 , 0.54 , 5.4 , 5400]

(2) 8 ……… {7 , 5 , 8} [$\in$, $\notin$, $\not\subset$, $\subset$]

(3) $\varnothing$ ……… {1 , 2 , 3} [$\in$, $\notin$, $\not\subset$, $\subset$]

(4) 4.679 m $\cong$ ……… cm [468 , 47 , 467.9]

(5) {1 , 2} …… the set of prime numbers. [$\in$, $\notin$, $\not\subset$, $\subset$]

(6) The longest chord in the circle is called…
[radius, diameter, chord]

(7) 34.15 × 100 …… 341.5 × 10 [> , < , =]

(8) $4\frac{1}{2}$ × 6 = …… [18 , 72 , 27 , 81]

(9) {3 , 7} …… {2 , 3 , 5} [$\in$, $\notin$, $\not\subset$, $\subset$]

[C] Look at the opposite Venn diagram, then complete:

(1) A $\cap$ B = ……………………………

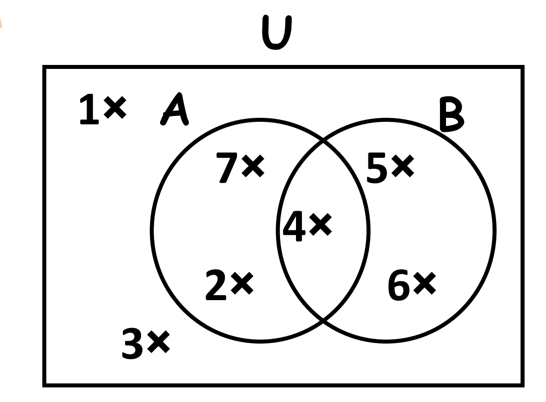
(2) A $\cup$ B = ……………………………

(3) A − B = ……………………………

(4) B − A = ……………………………

(5) A' = ……………………………………

(6) B' = ……………………………………



[D] A bag contains 5 white balls, 9 red balls and 6 black balls. One ball is taken out at random. Calculate the probability that this ball is:

(1) Red = ………………

(2) Blue = ………………

(3) Black = ………………

(4) Green = ………………

(5) White or black = ………………

[E] Story problems:

(1) The result of multiplying two numbers is 9088, if one of them is 284, find the other number.

....

....

(2) If the length of a rectangle is 13.9 cm and its width is 7.5 cm Find the perimeter of the rectangle.

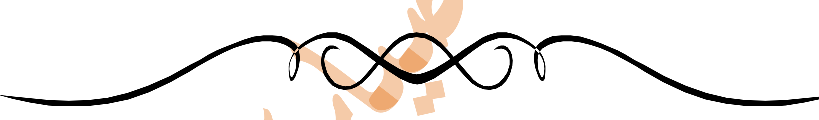
....

....

(3) If the price of one metre of cloth is 27.5 pounds. Find the price of 3 metres of the same kind.

....

....



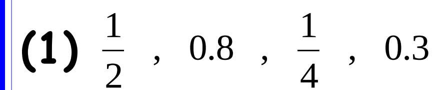
[F] Drawing:

(1) Draw the equilateral ΔABC whose side length is 6 cm, then find its perimeter, and $m(\angle B)$.

(2) Draw ΔABC in which AB = 5 cm, AC = 3 cm and BC = 4 cm, then draw the altitude $\overline{CD}$. Find the perimeter of Δ ABC

(3) Draw the ΔABC in which AB = 6 cm, AC = BC = 5 cm, then draw $\overline{CD} \perp \overline{AB}$. And measure the length of $\overline{CD}$.

[G] Arrange the following numbers in an ascending order:

(1) 
$\frac{1}{2}$, 0.8 , $\frac{1}{4}$, 0.3

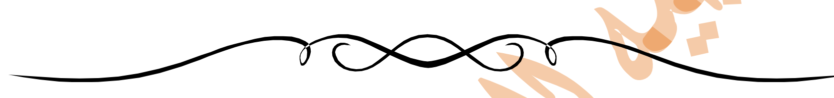
………

………

(2) $\frac{1}{4}$, 0.7 , $\frac{1}{8}$, 0.33

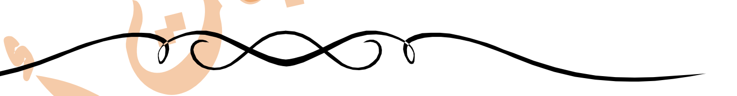
………

………



[H] A box has 3 white balls, 4 red balls and 5 black balls. One ball is chosen randomly. Calculate the probability that this ball is:

(1) White = ……… (2) Not white = ………… (3) Green = ………



[I] Find the result:

(1) $2\frac{1}{3} \div 1\frac{5}{6} =$

……………………………………………………………………………………………………

(2) (2) 3.47 × 0.85

……………………………………………………………………………………………………

(3) 3.125 × 4.3 (to the nearest thousandth)

……………………………………………………………………………………………………

(4) 683.140 + 75.216 = …………… ≅ ………… (to the nearest 0.01)

……………………………………………………………………………………………………

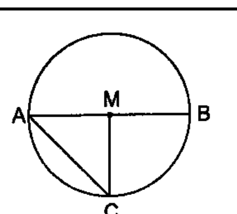
Choose the correct answer:

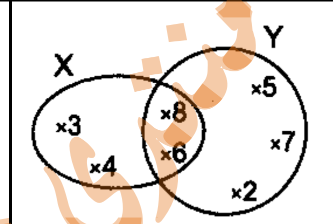
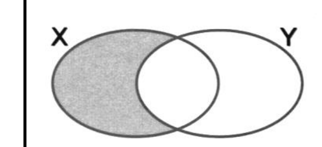
(1)	The triangle whose measures of their angles are 50° , 90° and 40° is .... (acute-angled triangle **or** obtuse-angled triangle **or** right-angled triangle **or** otherwise)
(2)	$4\frac{1}{8} \times 2\frac{2}{3} =$ .... (1 **or** 10 **or** 11 **or** 111)
(3)	If $\{7, 10\} \subset \{10, x+4\}$, then $x =$ .... (3 **or** 4 **or** 5 **or** 6)
(4)	$3.75 \times 1000 =$ .... (0.375 **or** 0.0375 **or** 3750 **or** 37.5)
(5)	$\frac{1}{2}$ ▭ $\frac{1}{3}$ ($<$ **or** $>$ **or** $=$ **or** $\leq$)
(6)	X, Y — The shaded part is = ... ($X \cap Y$ **or** $X \cup Y$ **or** $X - Y$ **or** $X \subset Y$)
(7)	55.241×100 ▭ 522.41×10 ($<$ **or** $>$ **or** $=$ **or** $\leq$)
(8)	There are .... heights in the acute-angled triangle. (0 **or** 1 **or** 2 **or** 3)
(9)	43 day ≃ .... (to the nearest week) (4 **or** 6 **or** 5 **or** 7)
(10)	Any chord passing through the centre of a circle is called .... (diameter **or** radius **or** side **or** otherwise)
(11)	$\{52\}$ .... $\{5, 2\}$ ($\in$ **or** $\notin$ **or** $\subset$ **or** $\not\subset$)
(12)	When tossing a die once , the probability of appearing a number divisible by 2 = ... (1 **or** $\frac{3}{6}$ **or** $\frac{2}{6}$ **or** $\varnothing$)

(13)	$Y = \{2, 4, 6\} \cup \{1, 2, 3\}$, then 6 .... Y ($\in$ or $\notin$ or $\subset$ or $\not\subset$)
(14)	$\frac{5}{8}$ ☐ 0.5734 (< or > or = or ≤)
(15)	3.36 km. = ... m. (3.36 or 33.6 or 336 or 3360)
(16)	$9\frac{3}{25} \simeq$ .... (to the nearest tenth) (0.9 or 9.2 or 9.1 or 9)
(17)	$\frac{5}{6} + 1\frac{1}{6} =$ .... ($\frac{5}{7}$ or $\frac{2}{6}$ or $\frac{3}{7}$ or $\frac{7}{6}$)
(18)	$5.45 \div 0.5 =$ .... (1.9 or 1.09 or 10.9 or 109)
(19)	The smallest number from the following is .... (0.111 or 0.12 or 0.123 or 1.023)
(20)	10×4.72 ☐ 100×0.472 (< or > or = or otherwise)
(21)	If $6 \in \{3, 5, 2x\}$, then $x =$ .... (2 or 3 or 4 or 5)
(22)	If $Y = \{2, 3, 5\} \cap \{1, 3, 5\}$, then $\{1, 2, 3, 5\}$ .... Y ($\subset$ or $\not\subset$ or $\in$ or $\notin$)
(23)	The length of the diameter of any circle ☐ the length of any chord in it does not passing through the centre (> or < or = or ≤)
(24)	In any triangle the number of its heights = ... (1 or 2 or 3 or 4)
(25)	In a class there are 40 pupils, 25 of them are boys, the rest are girls, then the probability of the chosen pupil is a girl = ... ($\frac{3}{8}$ or $\frac{5}{8}$ or $\frac{3}{5}$ or 1)

(26)	When tossing a coin once , then the probability of appearing a tail = ……………	(0 or 1 or $\frac{1}{2}$ or 2)
(27)	$\frac{1}{3} \times \frac{3}{4}$ = ……………	($\frac{1}{3}$ or $\frac{1}{2}$ or $\frac{1}{4}$)
(28)	If $3 \in \{x , 5\}$, then x = ……………	(5 or 3 or 8)
(29)	312 ÷ 10 = ……………	(3.12 or 0.312 or 31.2)
(30)	A ——M—— B $\overline{AB}$ is called ……………	(diameter or radius or side)
(31)	14.4 × 10 ☐ 144	(> or < or =)
(32)	In any triangle , there are …………… heights.	(1 or 2 or 3)
(33)	{5} …………… {5 , 8}	($\subset$ or $\notin$ or $\not\subset$)
(34)	When tossing a coin once , the probability of appearing a tail = ……………	(1 or $\frac{1}{2}$ or $\frac{1}{4}$)

Complete each of the following :

(1)	**In the opposite figure :** [a] MA = …………… = …………… [b] The longest chord in the circle is ……………	
(2)	$\frac{4}{12} \div \frac{6}{12}$ = ……………	
(3)	The probability of the sure event = ……………	

(4)	If $\frac{x}{8} = \frac{15}{24}$, then x = ……………
(5)	2.4 decimetre = …………… cm.
(6)	X ∩ Y = …………… 
(7)	If the probability of a pupil succeed in an exam is $\frac{8}{10}$, then the probability of his fail = ……………
(8)	If X ⊂ Y , then X ∩ Y = ……………
(9)	When tossing a coin once , the probability of appearing a head = ……………
(10)	The shaded part represents …………… 
(11)	A circle its radius length = 1 cm. , then its diameter length = …………… cm.
(12)	4.6798 ≃ …………… (to the nearest thousandth)
(13)	3.75 × 1 000 = ……………
(14)	All radii of the same circle are ……………
(15)	20.6354 × 100 = …………… ≃ …………… (to the nearest tenth)
(16)	20.857 ≃ …………… (to the nearest $\frac{1}{100}$)
(17)	63 days = …………… weeks.
(18)	If 7 ∈ {2 , x , 5} , then x = ……………

(19)	The longest chord in the circle is ....
(20)	$45.67 \div 100 =$ .... $\simeq$ .... (to the nearest $\frac{1}{100}$)
(21)	The probability of the sure event = ...
(22)	All diameters are .... in length in the same circle.
(23)	354 cm. = ... m.
(24)	8.3 tons = ... kg.
(25)	3.4 kg. = ... gm.
(26)	If $\{3, 6\} = \{y, 3\}$, then y = ...
(27)	.... $\times 2\frac{1}{5} = 1$
(28)	$\{3, 4, 5\} \cup \{1, 4, 5\} =$ ....

Essay problems:

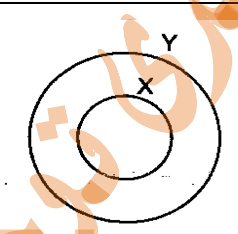
(1)	$65.384 + 63.427 =$ ....
(2)	$1.775 \times 0.15 \simeq$ .... (to the nearest hundredth)
(3)	$\frac{3}{25} \div 0.012 =$ ....
(4)	A rectangle its area is 9.43 cm^2 and its width is 2.45 cm. Find its length approximated the result to nearest hundredth.
(5)	$2.4 \times 4.7 =$ ....
(6)	$48.6 + 0.9 =$ ....
(7)	$3978 \div 234 =$ ....

مستر / توجيه الرياضيات / أعداد

(8) Draw the triangle ABC where AB = 4 cm. , BC = 6 cm. Z
and CA = 8 cm. , then draw a circle its centre is B and its radius length is 4 cm.
Complete : …………… is called a radius in the circle.

(9) A rectangle its length is 4.1 cm. and its width is 3.5 cm. ,
calculate its area.

(10) From the opposite figure :
X ∪ Y = ……………



(11) Draw a circle M of radius length 3 cm. , then draw $\overline{AB}$ chord in it , determine the points C , D and E where MC = 2 cm. , MD = 5 cm. and ME = 3 cm. Complete : $\overline{ME}$ is called ……………

(12) Arrange in an ascending order :

$0.6 , \frac{2}{5} , 0.8$ and $\frac{3}{4}$

…………………………………………………………………………………………

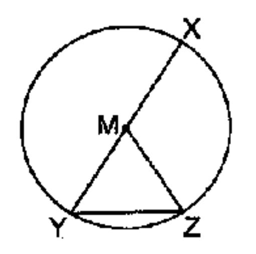
(13) A box contains identical balls where 5 balls are white , 9 red and 6 black. If one ball is chosen randomly , what is the probability that the chosen ball is white ?

(14) **In the opposite figure :**

[a] The diameter is ……………

[b] $\overline{YZ}$ is called ……………

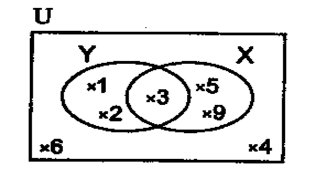




(15) By using the opposite Venn diagram , find :

[a] X ∪ Y   [b] X ∩ Y

[c] X – Y   [d] Ỳ



ذاكرولي www.zakrooly.com تفوقك في أي عمل عليه العلامة دي